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*** YOU HAVE NEW MAIL ***

=> s polyanionic (4a) polymer?

L1 1243 POLYANIONIC (4A) POLYMER?

=> s l1 and conjugate

L2 136 L1 AND CONJUGATE

=> s l2 and nanoparticle

L3 23 L2 AND NANOPARTICLE

=> s l3 and phosphate

L4 19 L3 AND PHOSPHATE

=> dup rem l4

PROCESSING COMPLETED FOR L4

L5 19 DUP REM L4 (0 DUPLICATES REMOVED)

=> d l5 bib abs 1-19

L5 ANSWER 1 OF 19 USPATFULL on STN

AN 2006:254317 USPATFULL

TI Dioxetane-nanoparticle assemblies for energy transfer .
detection systems, methods of making the assemblies, and methods of
using the assemblies in bioassays

IN Sparks, Alison, N. Andover, MA, UNITED STATES

Wang, Zhixian, Winchester, MA, UNITED STATES

Edwards, Brooks, Cambridge, MA, UNITED STATES

Juo, Rouh-Rong, Allston, MA, UNITED STATES

PI US 2006216768 A1 20060928

AI US 2005-221895 A1 20050909 (11)

PRAI US 2004-608130P 20040909 (60)

DT Utility

FS APPLICATION

LREP MERCHANT & GOULD PC, P.O. BOX 2903, MINNEAPOLIS, MN, 55402-0903, US

CLMN Number of Claims: 31

ECL Exemplary Claim: 1

DRWN 15 Drawing Page(s)

LN.CNT 1067

AB Assemblies comprising nanoparticles and chemiluminescent substrates such

as dioxetanes are provided. The assemblies can be used in assays to detect the presence and/or amount of a single analyte or multiple analytes in a sample. Methods of making the assemblies are also described.

L5 ANSWER 2 OF 19 USPATFULL on STN
AN 2006:247138 USPATFULL
TI Cyclodextrin-based polymers for therapeutics delivery
IN Davis, Mark E., Pasadena, CA, UNITED STATES
PA Insert Therapeutics, Inc., Pasadena, CA, UNITED STATES (U.S. corporation)
PI US 2006210527 A1 20060921
AI US 2006-354593 A1 20060215 (11)
PRAI US 2005-653409P 20050216 (60)
DT Utility
FS APPLICATION
LREP FISH & NEAVE IP GROUP, ROPES & GRAY LLP, ONE INTERNATIONAL PLACE, BOSTON, MA, 02110-2624, US
CLMN Number of Claims: 39
ECL Exemplary Claim: 1
DRWN 12 Drawing Page(s)
LN.CNT 4040
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention relates to novel compositions of therapeutic polymeric compounds designed as carriers for small molecule therapeutics delivery and pharmaceutical compositions thereof. In some embodiments, the small molecule therapeutic is attached to the polymer by a photocleavable linker. The polymeric compounds may also employ targeting agents. By selecting from a variety of linker groups and targeting ligands the polymers present methods for controlled delivery of the therapeutic agents. On reaching a targeted site in the body of a patient, the linker can then be cleaved by the shining of ultraviolet, visible, or infrared wavelength light onto the site. The methods provide reduced toxicity and local delivery of therapeutics. The invention also relates to methods of treating subjects with the therapeutic compositions described herein. The invention further relates to methods for conducting a pharmaceutical business comprising manufacturing, licensing, or distributing kits containing or relating to the polymeric compounds described herein.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 3 OF 19 USPATFULL on STN
AN 2006:81234 USPATFULL
TI Biodegradable polyketal polymers and methods for their formation and use
IN Papisov, Mikhail I, Winchester, MA, UNITED STATES
PI US 2006069230 A1 20060330
AI US 2003-501565 A1 20030114 (10)
WO 2003-US1017 20030114
20051107 PCT 371 date
PRAI US 2002-348333P 20020114 (60)
DT Utility
FS APPLICATION
LREP CHOATE, HALL & STEWART LLP, TWO INTERNATIONAL PLACE, BOSTON, MA, 02110, US
CLMN Number of Claims: 104
ECL Exemplary Claim: 1
DRWN 4 Drawing Page(s)
LN.CNT 3667
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention relates to biodegradable biocompatible polyketals, methods for their preparation, and methods for treating animals by administration of biodegradable biocompatible polyketals. In one aspect,

a method for forming the biodegradable biocompatible polyketals comprises combining a glycol-specific oxidizing agent with a polysaccharide to form an aldehyde intermediate, which is combined with a reducing agent to form the biodegradable biocompatible polyketal. The resultant biodegradable biocompatible polyketals can be chemically modified to incorporate additional hydrophilic moieties. A method for treating animals includes the administration of the biodegradable biocompatible polyketal in which biologically active compounds or diagnostic labels can be disposed. The present invention also relates to chiral polyketals, methods for their preparation, and methods for use in chromatographic applications, specifically in chiral separations. A method for forming the chiral polyketals comprises combining a glycol-specific oxidizing agent with a polysaccharide to form an aldehyde intermediate, which is combined with a suitable reagent to form the chiral polyketal. A method for use in chiral separations includes the incorporation of the chiral polyketals in the mobile phase during a chromatographic separation, or into chiral stationary phases such as gels. The present invention further relates to chiral polyketals as a source for chiral compounds, and methods for generating such chiral compounds.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 4 OF 19 USPATFULL on STN
 AN 2006:68291 USPATFULL
 TI Oxime conjugates and methods for their formation and use
 IN Papisov, Mikhail I, Winchester, MA, UNITED STATES
 Yurkovetskiy, Alexander, Littleton, MA, UNITED STATES
 PI US 2006058513 A1 20060316
 AI US 2003-521334 A1 20030718 (10)
 WO 2003-US22584 20030718
 20051027 PCT 371 date
 PRAI US 2002-397283P 20020719 (60)
 DT Utility
 FS APPLICATION
 LREP CHOATE, HALL & STEWART LLP, TWO INTERNATIONAL PLACE, BOSTON, MA, 02110,
 US
 CLMN Number of Claims: 62
 ECL Exemplary Claim: 1
 DRWN 1 Drawing Page(s)
 LN.CNT 4070

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to biodegradable biocompatible polyketals, methods for their preparation, and methods for creating animals by administration of biodegradable biocompatible polyketals. In one aspect, a method for forming the biodegradable biocompatible polyketals comprises combining a glycol-specific oxidizing agent with a polysaccharide to form an aldehyde intermediate, which is combined with a reducing agent to form the biodegradable biocompatible polyketal. The resultant biodegradable biocompatible polyketals can be chemically modified to incorporate additional hydrophilic moieties. A method for treating animals includes the administration of the biodegradable biocompatible polyketal in which biologically active compounds or diagnostic labels can be disposed. The present invention also relates to chiral polyketals, methods for their preparation, and methods for use in chromatographic applications, specifically in chiral separations. A method for forming the chiral polyketals comprises combining a glycol-specific oxidizing agent with a polysaccharide to form an aldehyde intermediate, which is combined with a suitable reagent to form the chiral polyketal. A method for use in chiral separations includes the incorporation of the chiral polyketals in the mobile phase during a chromatographic separation, or into chiral stationary phases such as gels. The present invention further relates to chiral polyketals as a source for chiral compounds, and methods for generating such chiral

compounds.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 5 OF 19 USPATFULL on STN
AN 2006:47631 USPATFULL
TI Peptides whose uptake by cells is controllable
IN Jiang, Tao, San Diego, CA, UNITED STATES
Olson, Emilia S., La Jolla, CA, UNITED STATES
Whitney, Michael, San Diego, CA, UNITED STATES
Tsien, Roger Y., La Jolla, CA, UNITED STATES
PA The Regents of the University of California, Oakland, CA, UNITED STATES
(U.S. corporation)
PI US 2006041105 A1 20060223
AI US 2005-133804 A1 20050519 (11)
RLI Continuation-in-part of Ser. No. US 2003-699562, filed on 31 Oct 2003,
PENDING
DT Utility
FS APPLICATION
LREP TOWNSEND AND TOWNSEND AND CREW, LLP, TWO EMBARCADERO CENTER, EIGHTH
FLOOR, SAN FRANCISCO, CA, 94111-3834, US
CLMN Number of Claims: 27
ECL Exemplary Claim: 1
DRWN 69 Drawing Page(s)
LN.CNT 3032

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A generic structure for the peptides of the present invention includes
A-X-B-C, where C is a cargo moiety, the B portion includes basic amino
acids, X is a cleavable linker sequence, and the A portion includes
acidic amino acids. The intact structure is not significantly taken up
by cells; however, upon extracellular cleavage of X, the B-C portion is
taken up, delivering the cargo to targeted cells. Cargo may be, for
example, a contrast agent for diagnostic imaging, a chemotherapeutic
drug, or a radiation-sensitizer for therapy. X may be cleaved
extracellularly or intracellularly. The molecules of the present
invention may be linear, cyclic, branched, or have a mixed structure.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 6 OF 19 USPATFULL on STN
AN 2005:305453 USPATFULL
TI Nanoparticulate targeting and therapy
IN Prokop, Ales, Nashville, TN, UNITED STATES
Davidson, Jeffrey M., Nashville, TN, UNITED STATES
Carlesso, Gianluca, Nashville, TN, UNITED STATES
Roberts, David, Bethesda, MD, UNITED STATES
PI US 2005266090 A1 20051201
AI US 2005-125438 A1 20050510 (11)
RLI Continuation-in-part of Ser. No. US 2004-833370, filed on 28 Apr 2004,
PENDING
PRAI US 2003-466375P 20030429 (60)
DT Utility
FS APPLICATION
LREP Benjamin Aaron Adler, ADLER & ASSOCIATES, 8011 Candle Lane, Houston, TX,
77071, US
CLMN Number of Claims: 34
ECL Exemplary Claim: 1
DRWN 1 Drawing Page(s)
LN.CNT 1384

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention provides biocompatible, low molecular weight
nanoparticulate formulations that are designed to retain and deliver
therapeutics over an extended time course. The therapeutic may be
conjugated or adsorbed to the periphery of the corona or conjugated to a

core polymer. The nanoparticles comprise targeting ligands also conjugated or adsorbed to the periphery of the corona and/or a contrast agent in the core of the nanoparticle. As such, methods of selective targeting and/or methods of noninvasive imaging using bioluminescence and/or magnetic resonance imaging. Also provided are methods of delivering to and, optionally, imaging of a cell or tissue. Further provided are methods of producing the nanoparticles in batch or continuous mode via simple mixing or laminar flow.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 7 OF 19 USPATFULL on STN
AN 2005:286830 USPATFULL
TI Method for detecting analytes based on evanescent illumination and scatter-based detection of nanoparticle probe complexes
IN Storhoff, James J., Evanston, IL, UNITED STATES
Lucas, Adam, Arlington Heights, IL, UNITED STATES
Muller, Uwe R., Waukegan, IL, UNITED STATES
Bao, Yijia Paul, Mount Prospect, IL, UNITED STATES
Senical, Michael, Wheeling, IL, UNITED STATES
Garimella, Viswanadham, Vernon Hills, IL, UNITED STATES
PA Nanosphere, Inc. (U.S. corporation)
PI US 2005250094 A1 20051110
AI US 2004-995051 A1 20041122 (10)
RLI Continuation-in-part of Ser. No. US 2004-854848, filed on 27 May 2004, PENDING
PRAI US 2003-474569P 20030530 (60)
US 2003-499034P 20030829 (60)
US 2003-517450P 20031104 (60)
US 2004-567874P 20040503 (60)
DT Utility
FS APPLICATION
LREP MCDONNELL BOEHNEN HULBERT & BERGHOFF LLP, 300 S. WACKER DRIVE, 32ND FLOOR, CHICAGO, IL, 60606, US
CLMN Number of Claims: 47
ECL Exemplary Claim: 1-75
DRWN 34 Drawing Page(s)
LN.CNT 3163

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention provides methods of detecting one or more specific binding analytes, such as nucleic acids and proteins, in the presence of a neutral or anionic polysaccharide, through light scattering techniques, where a change in light scattering caused by the formation of nanoparticle label complexes within the penetration depth of the evanescent wave of a wave guide signals the presence of the analyte.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 8 OF 19 USPATFULL on STN
AN 2005:10440 USPATFULL
TI Nanoparticulate tumor targeting and therapy
IN Prokop, Ales, Nashville, TN, UNITED STATES
Davidson, Jeffrey M., Nashville, TN, UNITED STATES
Carlesso, Gianluca, Nashville, TN, UNITED STATES
Roberts, David, Bethesda, MD, UNITED STATES
PI US 2005008572 A1 20050113
AI US 2004-833370 A1 20040428 (10)
PRAI US 2003-466375P 20030429 (60)
DT Utility
FS APPLICATION
LREP Dr. Benjamin Adler, ADLER & ASSOCIATES, 8011 Candle Lane, Houston, TX, 77071
CLMN Number of Claims: 112
ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 1635

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention provides a series of biocompatible, nanoparticulate formulations that are designed to retain and deliver peptides such as anti-angiogenic factors over an extended time course. The nanoparticles can be targeted to a cell or tissue by targeting ligands crosslinked or conjugated to the corona of the nanoparticles. In addition to selective targeting, the nanoparticles also may perform noninvasive imaging using bioluminescence and/or magnetic resonance imaging via a contrast agent in the core of the nanoparticle. Also provided are methods of delivering to and, optionally, imaging of a cell or tissue. Furthermore, methods of producing the nanoparticles in batch or continuous mode via simple mixing or micromixing.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 9 OF 19 USPATFULL on STN

AN 2004:227382 USPATFULL

TI Methods of biosensing using fluorescent polymers and quencher-tether-ligand bioconjugates

IN Kushon, Stuart A., Santa Fe, NM, UNITED STATES
Kumaraswamy, Sriram, Santa Fe, NM, UNITED STATES
Xia, Wensheng, Albuquerque, NM, UNITED STATES
Jones, Robert M., Albuquerque, NM, UNITED STATES
Ley, Kevin D., Santa Fe, NM, UNITED STATES
McBranch, Duncan, Santa Fe, NM, UNITED STATES
Whitten, David G., Albuquerque, NM, UNITED STATES

PI US 2004175768 A1 20040909

AI US 2003-712004 A1 20031114 (10)

PRAI US 2002-426034P 20021114 (60)

DT Utility

FS APPLICATION

LREP Supervisor, Patent Prosecution Services, PIPER RUDNICK LLP, 1200 Nineteenth Street, N.W., Washington, DC, 20036-2412

CLMN Number of Claims: 57

ECL Exemplary Claim: 1

DRWN 9 Drawing Page(s)

LN.CNT 1175

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Complexes of a biotinylated fluorescent polymer and a biotin binding protein and solid supports coated with the fluorescent polymer complexes are described. The complexes can be used as sensors for detecting biological recognition events (e.g., nucleic acid hybridization reactions or enzymatic induced polypeptide cleavage). Methods of making the complexes and methods of using the complexes for detecting the presence and/or amount of a target analyte in a sample are also described. The target analyte can be an enzyme (e.g., β -secretase) or a nucleic acid (e.g., a single stranded or double stranded nucleic acid).

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 10 OF 19 USPATFULL on STN

AN 2004:177797 USPATFULL

TI Nanoparticulate composition for efficient gene transfer

IN Prokop, Ales, Nashville, TN, UNITED STATES
Davidson, Jeffrey M., Nashville, TN, UNITED STATES
Carlesso, Gianluca, Nashville, TN, UNITED STATES
Unutmaz, Derya, Nashville, TN, UNITED STATES

PI US 2004136961 A1 20040715

AI US 2003-609722 A1 20030630 (10)

RLI Continuation-in-part of Ser. No. US 2003-356139, filed on 31 Jan 2003, PENDING Continuation-in-part of Ser. No. US 1998-169459, filed on 9 Oct

1998, GRANTED, Pat. No. US 6726934
PRAI US 1997-62943P 19971009 (60)
DT Utility
FS APPLICATION
LREP Benjamin Aaron Adler, ADLER & ASSOCIATES, 8011 Candle Lane, Houston, TX,
77071
CLMN Number of Claims: 38
ECL Exemplary Claim: 1
DRWN 9 Drawing Page(s)
LN.CNT 1182

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention provides compositions comprising a water-based core solution and a water-based corona solution surrounding the core solution. The compositions comprise polyanionic polymers and salts and polycationic polymers and cations and is useful for adenoviral delivery of a gene or delivery of another drug. The compositions may be nanoparticulate, microcapsular or form a polymeric sheet. Also provided are methods of use for the compositions.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 11 OF 19 USPATFULL on STN
AN 2004:101725 USPATFULL
TI Cyclodextrin-based polymers for therapeutics delivery
IN Cheng, Jianjun, Arcadia, CA, UNITED STATES
Davis, Mark E., Pasadena, CA, UNITED STATES
Khin, Kay T., San Gabriel, CA, UNITED STATES
PA Insert Therapeutics, Inc., Pasadena, CA, UNITED STATES (U.S. corporation)
PI US 2004077595 A1 20040422
AI US 2003-656838 A1 20030905 (10)
PRAI US 2002-408855P 20020906 (60)
US 2002-422830P 20021031 (60)
US 2003-451998P 20030304 (60)
DT Utility
FS APPLICATION
LREP ROPES & GRAY LLP, ONE INTERNATIONAL PLACE, BOSTON, MA, 02110-2624
CLMN Number of Claims: 35
ECL Exemplary Claim: 1
DRWN 12 Drawing Page(s)
LN.CNT 4117

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel compositions of therapeutic cyclodextrin containing polymeric compounds designed as a carrier for small molecule therapeutics delivery and pharmaceutical compositions thereof. These cyclodextrin-containing polymers improve drug stability and solubility, and reduce toxicity of the small molecule therapeutic when used in vivo. Furthermore, by selecting from a variety of linker groups and targeting ligands the polymers present methods for controlled delivery of the therapeutic agents. The invention also relates to methods of treating subjects with the therapeutic compositions described herein. The invention further relates to methods for conducting pharmaceutical business comprising manufacturing, licensing, or distributing kits containing or relating to the polymeric compounds described herein.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 12 OF 19 USPATFULL on STN
AN 2004:69995 USPATFULL
TI Nanoparticle polyanion conjugates and methods of use thereof in detecting analytes
IN Storhoff, James J., Evanston, IL, UNITED STATES
Letsinger, Robert L., Bloomington, IN, UNITED STATES

Hagenow, Susan R., Salem, WI, UNITED STATES
PA Nanosphere, Inc. (U.S. corporation)
PI US 2004053222 A1 20040318
AI US 2003-612422 A1 20030702 (10)
PRAI US 2002-393255P 20020702 (60)
DT Utility
FS APPLICATION
LREP Emily Miao, McDonnell Boehnen Hulbert & Berghoff, 32nd Floor, 300 S.
Wacker Drive, Chicago, IL, 60606
CLMN Number of Claims: 50
ECL Exemplary Claim: 1
DRWN 6 Drawing Page(s)
LN.CNT 1179

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB This invention provides polyanionic polymer conjugates containing non-nucleotide polyanionic polymers that are useful in detecting target analytes such as proteins or small molecules. The invention also provides nanoparticles bound to polyanionic polymer conjugates and methods of preparation and use thereof. The polyanionic polymer conjugates have the formula:

$$L--O--[PO.sub.2--O--Z--O].sub.n--PO.sub.2--O--X$$

wherein n ranges from 1 to 200; L represents a moiety comprising a functional group for attaching the polyanion polymer to the nanoparticle surface; Z represents a bridging group, and X represents Q, X' or --Q--X', wherein Q represents a functional group for attaching a recognition probe to the polyanion polymer, and X' represents a recognition probe.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 13 OF 19 USPATFULL on STN
AN 2003:294281 USPATFULL
TI Nanoparticles having oligonucleotides attached thereto and uses therefor
IN Park, So-Jung, Austin, TX, UNITED STATES
Taton, Thomas Andrew, Little Canada, MN, UNITED STATES
Mirkin, Chad A., Wilmette, IL, UNITED STATES
PI US 2003207296 A1 20031106
AI US 2002-266983 A1 20021008 (10)
RLI Continuation-in-part of Ser. No. US 2001-8978, filed on 7 Dec 2001,
PENDING Continuation-in-part of Ser. No. US 2001-927777, filed on 10 Aug
2001, PENDING Continuation-in-part of Ser. No. US 2001-820279, filed on
28 Mar 2001, PENDING Continuation-in-part of Ser. No. US 2001-760500,
filed on 12 Jan 2001, PENDING Continuation-in-part of Ser. No. US
2000-603830, filed on 26 Jun 2000, GRANTED, Pat. No. US 6506564
Continuation-in-part of Ser. No. US 1999-344667, filed on 25 Jun 1999,
GRANTED, Pat. No. US 6361944 Continuation-in-part of Ser. No. US
1999-240755, filed on 29 Jan 1999, ABANDONED Continuation-in-part of
Ser. No. WO 1997-US12783, filed on 21 Jul 1997, PENDING
PRAI US 2001-327864P 20011009 (60)
US 2000-254418P 20001208 (60)
US 2000-255236P 20001211 (60)
US 2001-282640P 20010409 (60)
US 2000-224631P 20000811 (60)
US 2000-192699P 20000328 (60)
US 2000-254392P 20001208 (60)
US 2000-255235P 20001211 (60)
US 2000-176409P 20000113 (60)
US 2000-213906P 20000626 (60)
US 2000-200161P 20000426 (60)
US 1996-31809P 19960729 (60)
DT Utility

FS APPLICATION
LREP MCDONNELL BOEHNEN HULBERT & BERGHOFF, 300 SOUTH WACKER DRIVE, SUITE
3200, CHICAGO, IL, 60606
CLMN Number of Claims: 677
ECL Exemplary Claim: 1
DRWN 75 Drawing Page(s)
LN.CNT 12981

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention provides methods of detecting a nucleic acid. The methods comprise contacting the nucleic acid with one or more types of particles having oligonucleotides attached thereto. In one embodiment of the method, the oligonucleotides are attached to nanoparticles and have sequences complementary to portions of the sequence of the nucleic acid. A detectable change (preferably a color change) is brought about as a result of the hybridization of the oligonucleotides on the nanoparticles to the nucleic acid. The invention also provides compositions and kits comprising particles. The invention further provides methods of synthesizing unique nanoparticle-oligonucleotide conjugates, the conjugates produced by the methods, and methods of using the conjugates. In addition, the invention provides nanomaterials and nanostructures comprising nanoparticles and methods of nanofabrication utilizing nanoparticles. Finally, the invention provides a method of separating a selected nucleic acid from other nucleic acids.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 14 OF 19 USPATFULL on STN
AN 2003:194162 USPATFULL
TI Targeted multivalent macromolecules
IN Danthi, S. Narasimhan, Mountain View, CA, UNITED STATES
Bednarski, Mark David, Los Altos, CA, UNITED STATES
Wartchow, Charles Aaron, San Francisco, CA, UNITED STATES
Choi, Hoyul Steven, San Jose, CA, UNITED STATES
PA TARGESOME, INC. (U.S. corporation)
PI US 2003133972 A1 20030717
AI US 2002-159596 A1 20020530 (10)
RLI Continuation-in-part of Ser. No. US 2001-976254, filed on 11 Oct 2001,
PENDING
PRAI US 2000-239684P 20001011 (60)
US 2001-309104P 20010731 (60)
US 2001-312435P 20010815 (60)
US 2001-294309P 20010530 (60)
DT Utility
FS APPLICATION
LREP SWANSON & BRATSCHUN L.L.C., 1745 SHEA CENTER DRIVE, SUITE 330, HIGHLANDS
RANCH, CO, 80129
CLMN Number of Claims: 44
ECL Exemplary Claim: 1
DRWN 32 Drawing Page(s)
LN.CNT 3801

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Targeted macromolecules comprising a linking carrier and more than one targeting entity are provided, as well as methods for their preparation and use.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 15 OF 19 USPATFULL on STN
AN 2003:187436 USPATFULL
TI Targeted multivalent macromolecules
IN Wartchow, Charles Aaron, San Francisco, CA, UNITED STATES
DeChene, Neal Edward, Morgan Hill, CA, UNITED STATES
Pease, John S., Los Altos, CA, UNITED STATES
Shen, Zhimin, Palo Alto, CA, UNITED STATES

Trulson, Julie, San Jose, CA, UNITED STATES
Bednarski, Mark David, Los Altos, CA, UNITED STATES
Danthi, S. Narasimhan, Mountain View, CA, UNITED STATES
Zhang, Michael, San Jose, CA, UNITED STATES
Choi, Hoyul Steven, San Jose, CA, UNITED STATES
PA TARGESOME, INC. (U.S. corporation)
PI US 2003129223 A1 20030710
AI US 2002-158777 A1 20020530 (10)
RLI Continuation-in-part of Ser. No. US 2001-976254, filed on 11 Oct 2001,
PENDING
PRAI US 2000-239684P 20001011 (60)
US 2001-309104P 20010731 (60)
US 2001-312435P 20010815 (60)
US 2001-294309P 20010530 (60)
DT Utility
FS APPLICATION
LREP SWANSON & BRATSCHUN L.L.C., 1745 SHEA CENTER DRIVE, SUITE 330, HIGHLANDS
RANCH, CO, 80129
CLMN Number of Claims: 39
ECL Exemplary Claim: 1
DRWN 32 Drawing Page(s)
LN.CNT 3784
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Targeted therapeutic agents, comprising a linking carrier, a therapeutic
entity associated with the linking carrier, and at least one targeting
entity are provided, as well as methods for their preparation and use.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 16 OF 19 USPATFULL on STN
AN 2003:50882 USPATFULL
TI Drug delivery system exhibiting permeability control
IN Prokop, Ales, Nashville, TN, UNITED STATES
PA NanoDelivery, Inc. (U.S. corporation)
PI US 2003035838 A1 20030220
US 6589563 B2 20030708
AI US 2002-256508 A1 20020927 (10)
RLI Division of Ser. No. US 2000-752056, filed on 29 Dec 2000, GRANTED, Pat.
No. US 6482439
PRAI US 1999-173503P 19991229 (60)
DT Utility
FS APPLICATION
LREP ALSTON & BIRD LLP, BANK OF AMERICA PLAZA, 101 SOUTH TRYON STREET, SUITE
4000, CHARLOTTE, NC, 28280-4000
CLMN Number of Claims: 15
ECL Exemplary Claim: 1
DRWN 3 Drawing Page(s)
LN.CNT 613
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Microparticles and nanoparticles prepared from oppositely charged
polymers are provided in which a drug is incorporated into the core and
is conjugated to one polymer by a Schiff-base crosslink. The particles
are suitable for use in injectable formulations in which the rate of
release of the drug through the particle shell is slowed as compared to
noncrosslinked drugs. Enzymatically degradable polymers can be
incorporated in otherwise hydrolytically stable particles to provide
drug release at particular sites within the body where the enzyme of
interest is present.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 17 OF 19 USPATFULL on STN
AN 2002:250831 USPATFULL
TI Nanogel networks including polyion polymer fragments and biological

agent compositions thereof
IN Kabanov, Alexander V., Omaha, NE, UNITED STATES
Vinogradov, Sergey V., Omaha, NE, UNITED STATES
PI US 2002136769 A1 20020926
US 6696089 B2 20040224
AI US 2001-29682 A1 20011221 (10)
RLI Continuation-in-part of Ser. No. US 1998-146651, filed on 3 Sep 1998,
GRANTED, Pat. No. US 6333051
DT Utility
FS APPLICATION
LREP Mathews, Collins, Shepherd & Gould, P.A., Suite 306, 100 Thanet Circle,
Princeton, NJ, 08540
CLMN Number of Claims: 23
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 1822

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to nanogel networks having at least one cross-linked polyionic polymer fragment and at least one nonionic water-soluble polymer fragment, and compositions thereof, having at least one suitable biological agent.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 18 OF 19 USPATFULL on STN
AN 2002:60718 USPATFULL
TI Drug delivery system exhibiting permeability control
IN Prokop, Ales, Nashville, TN, UNITED STATES
PI US 2002034552 A1 20020321
US 6482439 B2 20021119
AI US 2000-752056 A1 20001229 (9)
PRAI US 1999-173503P 19991229 (60)
DT Utility
FS APPLICATION
LREP ALSTON & BIRD LLP, BANK OF AMERICA PLAZA, 101 SOUTH TRYON STREET, SUITE
4000, CHARLOTTE, NC, 28280-4000
CLMN Number of Claims: 15
ECL Exemplary Claim: 1
DRWN 3 Drawing Page(s)
LN.CNT 613

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Microparticles and nanoparticles prepared from oppositely charged polymers are provided in which a drug is incorporated into the core and is conjugated to one polymer by a Schiff-base crosslink. The particles are suitable for use in injectable formulations in which the rate of release of the drug through the particle shell is slowed as compared to noncrosslinked drugs. Enzymatically degradable polymers can be incorporated in otherwise hydrolytically stable particles to provide drug release at particular sites within the body where the enzyme of interest is present.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 19 OF 19 USPATFULL on STN
AN 97:104145 USPATFULL
TI Microcapsules of predetermined peptide(s) specificity (ies), their preparation and uses
IN Speaker, Tully J., Philadelphia, PA, United States
Sultzbaugh, Kenneth J., Philadelphia, PA, United States
PA Temple University of the Commonwealth System of Higher Education,
Philadelphia, PA, United States (U.S. corporation)
PI US 5686113 19971111
AI US 1995-408052 19950321 (8)
DT Utility

FS Granted
EXNAM Primary Examiner: Nutter, Nathan M.
LREP Ratner & Prestia
CLMN Number of Claims: 42
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 1708

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB An aqueous core microcapsule has a capsular wall provided with a peptide(s) of pre-determined binding specificity(ies) appended to the surface, the wall being the reaction product of an anionic polymer or salt thereof and a polyamine, salt thereof, mixtures thereof, or mixtures thereof with monoamines. The aqueous core may contain an active ingredient(s), and be targeted for delivery to specific cell tissues. The microcapsules are provided as a composition and in a kit with instructions for use in imaging, diagnosis, therapy, vaccination, and other applications.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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